

Patent Abstracts of Japan

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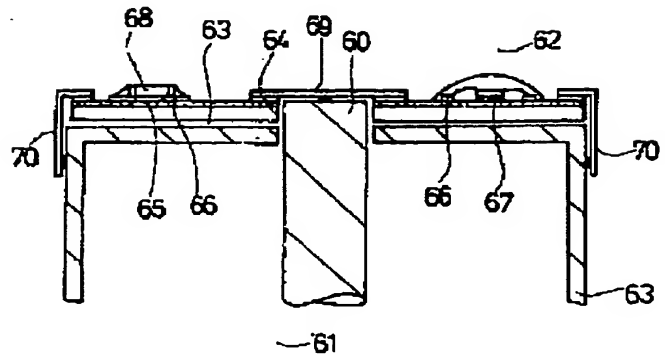
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INVENTOR : SAITO HIDESHI;

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TITLE : BATTERY



ABSTRACT : PROBLEM TO BE SOLVED: To shield most noises with an exterior package can and a hybrid integrated circuit board and prevent the malfunctions of a protective circuit by mounting a hybrid integrated circuit board having a shield function on the back face, so that its mounting face faces the exterior package can.

SOLUTION: An electrode section 60 of this battery is made into a negative electrode (or a positive electrode), and an exterior package can 63 is made into a positive electrode (or a negative electrode). The electrode section 60 and the exterior package can 63 are made of a metal, particularly a metal which allows spot welding or wire bonding. On the other hand, a hybrid integrated circuit board 62 is provided with an opening section 64 at the portion corresponding to the electrode section 60. The hybrid integrated circuit 62 is generally made of a ceramic board, a printed board, an epoxy board, a metal board or the like. Wires 66 are stuck via an insulting resin 65 to the hybrid integrated circuit board 62, if it is made of the metal board or directly stuck to the hybrid integrated circuit board 62 if it is made of an insulating board. The wires 66 are electrically connected and fixed to circuit elements, such as a semiconductor element 67 and a passive element 68.

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